

CITY OF CHARLOTTESVILLE VIRTUAL PUBLIC ENGAGEMENT MEETING

PRESTON & GRADY INTERSECTION

JUNE 30, 2020



AGENDA

- **PURPOSE OF PROJECT**
- **PROJECT HISTORY & BACKGROUND**
- **SMARTSCALE OVERVIEW**
- **SCOPE OF IMPROVEMENTS**
- **NEXT STEPS**
- **QUESTIONS/COMMENTS**



PURPOSE OF PROJECT

**To create multimodal,
community-focused,
improvements to increase
safety and enhance operations
for all users at the Intersection
of Preston Avenue, Grady
Avenue, and 10th Street.**

The focus of the project will be creating "complete streets" consistent with the City's Streets that Work Plan and creating safer travel for vehicles, pedestrians and cyclists.





OVERALL PROJECT LIMITS

A E R I A L M A P

PROJECT HISTORY & BACKGROUND

**The Preston/Grady/10th
Intersection provides a critical
transportation linkage
between Downtown
Charlottesville and the US 29
corridor.**

*The intersection has been identified in various
City Plans and Studies as a top priority for
transportation improvements*



STREETS THAT WORK:

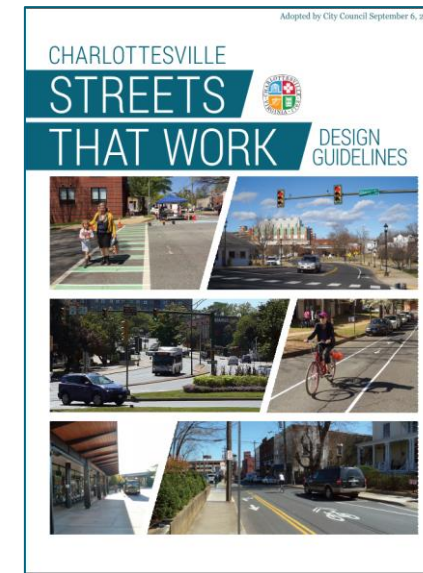
✓ Priority Intersections

- ✓ # 1 – Grady Ave. & Preston Ave – Intersection Problems
- ✓ # 4 – 10th St NW & Preston Ave - Bike/Ped Hot Spot

➤ *SMARTSCALE Project will focus on addressing Intersection Problems and Bike/Ped needs at intersection.*

✓ Priority Corridors

- ✓ #5 – Preston Avenue (10th to Harris St)
- ✓ #8 – 10th St (Wertland St to Preston Ave)



BICYCLE & PEDESTRIAN MASTER PLAN:

✓ Barriers To Walking

- ✓ Grady Ave and Preston Ave identified
 - ✓ “Washington Park/Pool virtually inaccessible for children in Venable neighborhood”

✓ Bikeway Prioritization

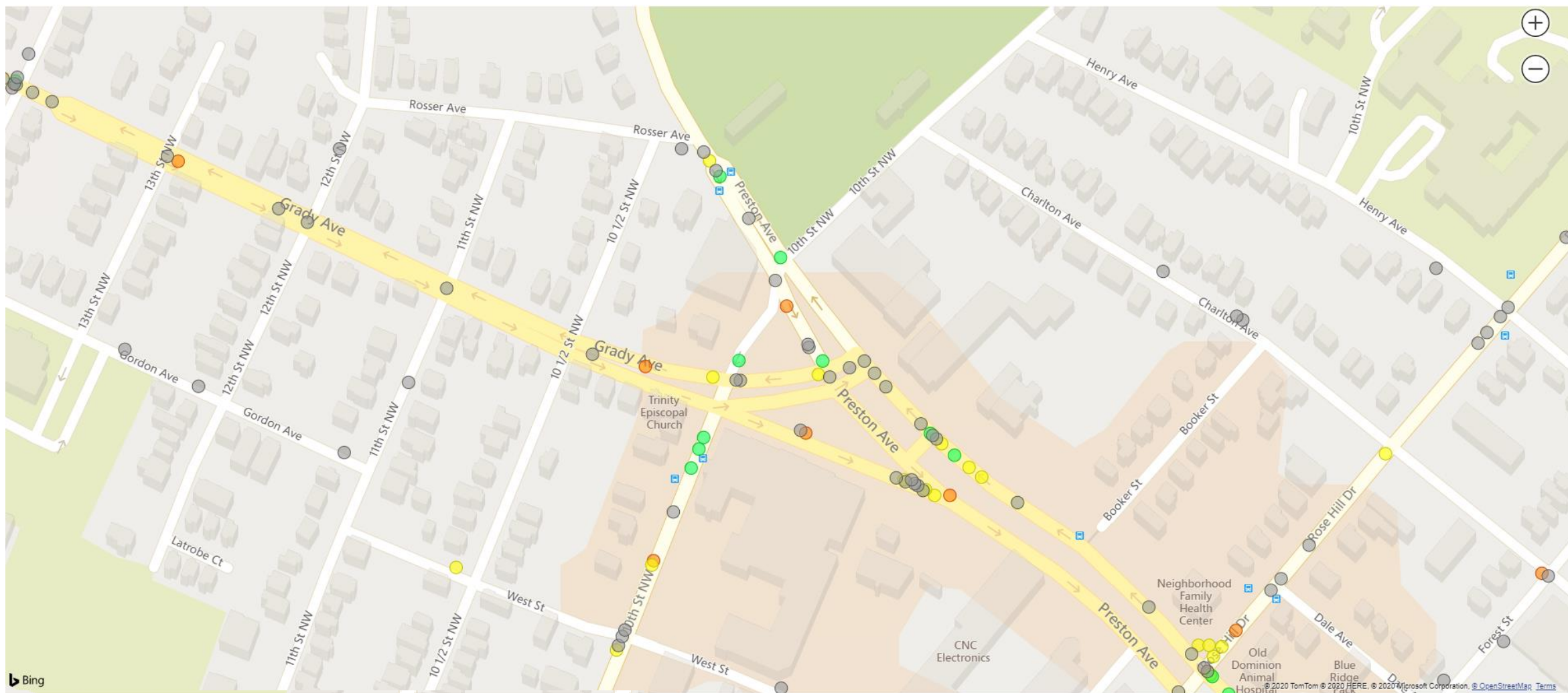
- ✓ #12 – Preston Ave – Separated facilities recommended



PROJECT BACKGROUND

CITY PLANS AND STUDIES





● K. Fatal Crash ● A. Severe Injury ● B. Visible Injury ● C. Nonvisible Injury ● PDO. Property Damage Only

PROJECT BACKGROUND

ACCIDENT HISTORY (1/1/2013 - 3/31/2020)



SMARTSCALE OVERVIEW

SMART SCALE is a statewide program that distributes funding based on a transparent and objective evaluation of projects that will determine how effectively they help the state achieve its transportation goals.

100% Federal and State Funding for all reimbursable elements of design.



FUNDING

- ✓ Project is part of the Construction District Grant Program (DGP). A project applying for funds from the DGP is evaluated against other projects within the same construction district.
- ✓ ~\$20M in funding Available for Culpeper District

EVALUATION CRITERIA

- ✓ Six factors evaluated for all projects: Safety, Congestion Mitigation, Accessibility, Environmental Quality, Economic Development and Land-Use.



SMARTSCALE PROCESS

SMART SCALE Area Type B														
Factor	Congestion Mitigation		Safety		Accessibility			Economic Development			Environment		Land Use	
Measure	Increase in Peak Period Person Throughput	Reduction in Peak Period Delay	Reduction in Fatal and Injury Crashes	Reduction in Fatal and Injury Crash Rate	Increase in Access to Jobs	Increase in Access to Jobs for Disadvantaged Populations	Increase in Access to Multimodal Travel Choices	Square Feet of Commercial/Industrial Development Supported	Tons of Goods Impacted	Improvement to Travel Time Reliability	Potential to Improve Air Quality	Other Factor Values Scaled by Potential Acreage Impacted	Support of Transportation-Efficient Land Use	Increase Transportation-Efficient Land Use
Measure Value	106.5 persons	0.0 person hrs.	29.3 EPDO	972.5 EPDO / 100M VMT	3.5 jobs per resident	5.1 jobs per resident	532.7 adjusted users	3,498,988.1 thousand adj sq. ft.	0.0 thousand adj daily tons	5,747,701.3 adj. buffer time index	0.0 adjusted points	2.8 scaled points	35,267.2 access * pop/emp density.h	7,202.5 access * pop/emp density change.
Normalized Measure Value (0-100)	0.4	0.0	8.4	2.0	0.1	0.1	1.9	17.8	0.0	0.1	0.0	8.3	2.7	2.0
Measure Weight (% of Factor)	0.5	0.5	0.5	0.5	0.6	0.2	0.2	0.6	0.2	0.2	0.5	0.5	0.7	0.3
Factor Value	0.2		5.2		0.4			10.7			4.2		2.5	
Factor Weight (% of Project Score)	15%		20%		25%			20%			10%		10%	
Weighted Factor Value	0.0		1.0		0.1			2.1			0.4		0.2	
Project Benefit	4.0													
SMART SCALE Cost	\$5,929,466													
SMART SCALE Score (Project Benefit per \$10M SMART SCALE Cost)	6.7													

SMARTSCALE PROCESS



SCOPE OF IMPROVEMENTS

The project will consist of intersection improvements that focus on improving roadway operations, vehicular movements, bicycle & pedestrian safety and multimodal connectivity..



IMPROVEMENTS INCLUDE:

- ✓ Realignment of Preston Avenue to create a consolidated, single signalized intersection.
- ✓ Modifications to vehicular lanes to minimize conflicts with other modes and increase overall efficiency of operation.
- ✓ Full signal equipment upgrades including pedestrian signals for all legs of the intersection and revised pedestrian crossings at intersections to reduce crossing widths
- ✓ New curb and sidewalks within project limits

SCOPE OF IMPROVEMENTS

PROJECT DESCRIPTION



IMPROVEMENTS INCLUDE(Cont):

- ✓ Installation of enlarged median islands for pedestrian refuge purposes
- ✓ Installation of bicycle facilities
- ✓ Implementation of access management techniques to reduce the number of conflict points.
- ✓ Upgrades to transit facilities

SCOPE OF IMPROVEMENTS

PROJECT DESCRIPTION



NEXT STEPS

- ***Project Survey Available – July 2020***
 - **Link:** <https://www.surveymonkey.com/r/9F5S9CX>
 - **Deadline: July 15**
- ***Refine Application – July 2020***
- ***Submit Application – August 3, 2020***
- ***Comprehensive Plan Amendment – Fall 2021***
- ***Notice of Award – Spring 2021***
- ***Funding Allocation Begins – 2025/2026***
- ***Public Engagement – Ongoing Thorough Design Process.***



QUESTIONS & COMMENTS

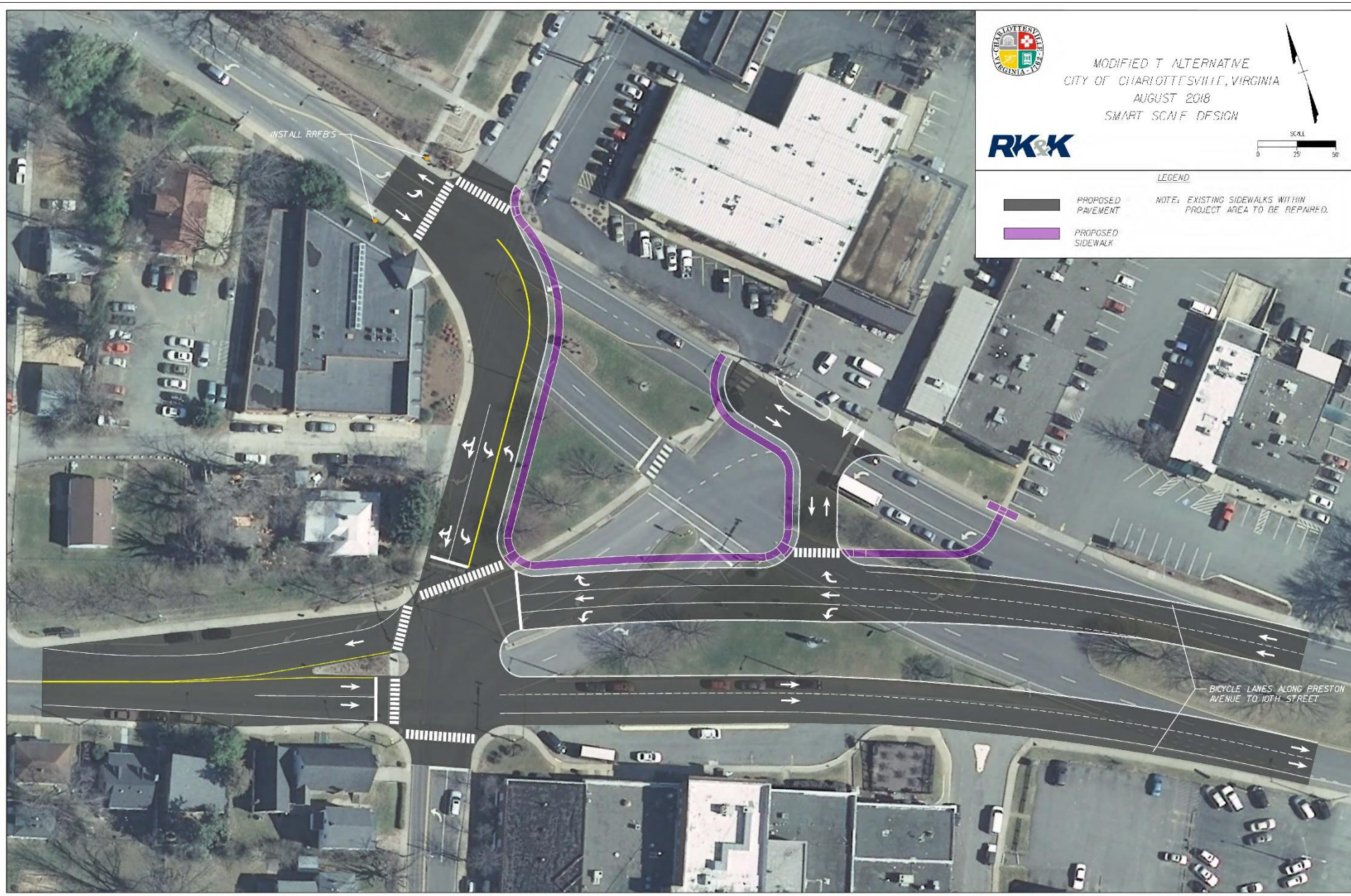


THANK YOU!!

Additional Questions/Comments?
Please contact:

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MODIFIED T ALTERNATIVE
CITY OF CHARLOTTESVILLE, VIRGINIA
AUGUST 2018
SMART SCALE DESIGN



LEGEND

- PROPOSED PAVEMENT
- PROPOSED SIDEWALK
- NOTE: EXISTING SIDEWALKS WITHIN PROJECT AREA TO BE REPAIRED.

